

Commonwealth of Massachusetts
Department of Telecommunications and Energy
Fitchburg Gas and Electric Light Company
Docket Nos. D.T.E. 02-24/25
Responses to the Department's Sixth Set of Information Requests

Request No. DTE 6-25 (Gas):

Refer to Sch. JLH-6 (Gas) Table 8, at 7-10. Please provide a detailed explanation for the development of the tables found on these pages.

Response:

The calculations shown on pages 7 through 10 of the marginal cost study filed as Schedule JLH-6 (Gas) were formally Management Applications Consulting's Fixed Charge Program. The explanation for the column or layout of these calculations are shown on Attachment DTE 6-25.

Person Responsible: James L. Harrison

LEVELIZED FIXED CHARGE ANALYSIS

PROGRAM DOCUMENTATION

REVISION LEVEL: 5.1.0

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NOTICE

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I. INTRODUCTION

The Levelized Fixed Charge Program is used to compute the revenue requirement stream resulting from a utility's acquisition of a capital investment. This revenue requirement stream is then equated to a single present value and a series of equal annual payments. This series of equal payments is called the "Engineer's Fixed Charge Rate" and states the annual payment in terms of current dollars, essentially identical to the banker's notion of a mortgage payment. A second leveled fixed charge rate is computed using payments of equal present value. This second fixed charge rate, known as the "Economist's Fixed Charge Rate", will produce the same present value when individual annual payments are de-escalated to account for inflation.

The Levelized Fixed Charge Program attempts to model utility rate making practice by developing a rate base, return, and tax calculation in accordance with current jurisdictional practice. As such, it may be necessary to slightly modify the program to accommodate the peculiarities of individual jurisdictional revenue requirements formulae. The program is written in the Lotus 1-2-3 spreadsheet language allowing the user to modify routines as necessary. Version 5.0 has been designed to run on Release 5.0 of Lotus 1-2-3 for Windows.

The program simultaneously generates up to four separate sets of fixed charge rate information. To simplify input, all variables are identified in blue as unprotected cells. Data common to the four sets of analysis are entered only once. Printed output is available with the "P" macro. Simply hold the Ctrl key down and type "p" to print the model's 11 schedules and tax look-up table.

The remainder of this document will describe the methodology employed in the Levelized Fixed Charge Program, the required input to execute the program, and a discussion of the interpretation of the program's output. The document will discuss the programs, three principal output reports, the input data requirements, the detail calculations, and the summary data page. In the following sections, each report will be discussed as a separate subject.

II. SUMMARY OF LEVELIZED FIXED CHARGES (Page 1)

With the exception of methodological changes which may be dictated by specific jurisdictional requirements, all data necessary to run the Levelized Fixed Charge Program is entered on the Summary and Input Data pages. A complete set of sample output is attached as a reference.

Case Labeling

Exhibit or schedule number, the company name, and the title of the case under study are entered on the first three lines of the Summary page. This information is repeated on each piece of printed output. The four cases are entered on lines 4 through 7. Since the cases are also used as column headings elsewhere in the program, the cases should be labeled with one- or two-word titles and entered in separate columns, i.e. "Production" and "Plant."

Capital Structure

Capital structure is entered as a percent of total capital. For forward-looking studies such as marginal cost studies, targeted structure is typically used in lieu of current capital structure. Capital structure must be composed of *Debt*, *Preferred* and *Common* stock and *Other*.

Cost of Capital

Cost of capital is entered as three or four individual costs, the *Cost of Debt*, the *Cost of Preferred* stock, the *Cost of Common* stock and the cost of *Other*. These values are entered as decimals yet displayed as percentages. For marginal or avoided cost studies, incremental costs of capital are normally employed. The source of this data is complex at best, and is left for the user's determination. The weighted cost of capital is simply the cost of each component of capital structure times its percentage of the capital structure. The *After Tax Cost of Capital* used in present worth calculations represents the opportunity cost for utility capital. It is calculated as *WTD Cost of Capital* less *Debt Ratio* times *Tax Rate*.

Tax Data

Tax Rate is entered as a single value representing the composite tax rate for income taxes. This rate must embody any local and state taxes as well as federal income taxes. For most studies, the user will wish to enter the incremental tax rates and ignore the differences if tax as a function of magnitude of income. However, this decision is left to

the user. The *Investment Tax Credit* rate is currently set at zero, reflecting current tax laws. *Revenue Tax* rates are entered in decimal fashion next. Revenue taxes often have other names such as ad valorem taxes or gross receipts taxes. In any case, any tax applicable to total revenue should be entered in this area labeled revenue tax rate. *Property Tax Rate* is entered again in decimal fashion. As discussed previously, the property tax rate is the current rate and is escalated according to the inflation rate entered below. *Property Insurance* is entered as a decimal fraction of the original asset value. Since property insurance is also included as an administrative and general expense, many analyses will choose not to include property insurance as a portion of the costs to be incorporated in a fixed charge rate analysis. Where property insurance is to be included as an annual revenue requirement associated with the asset, then an appropriate value of the property insurance rate should be entered here. *Property Tax Basis* is used to define the basis of the annual property tax calculation. If property taxes are based on original cost, "1" should be entered in this field. If property taxes are based on depreciated plant balances, "2" should be specified. Any other value will result in an error.

Miscellaneous Data

Inflation Rate is entered in this area based on current expectations of generally applicable inflation. This inflation figure is used to escalate the cost for property insurance and is used to compute the economist's fixed charge rate using constant dollars. *Property Tax Escalation Rate* is used to escalate property taxes only. *Return Basis* in the Miscellaneous Data field is used to specify the jurisdiction's basis for the return calculation. Only values of "1", "2", or "3" are valid, corresponding to return computed on rate base balances at (1) the beginning of the year, (2) average of beginning and ending balances, and (3) end of year rate base balance. Other entries will result in an error.

III. INPUT DATA PAGE (Page 2)**Plant Data**

Capitalized Cost is the first and most important piece of input data. This value can be a nominal value such as \$100 or \$1,000 or it can be the exact dollar amounts associated with a specific investment. Very large initial costs should be entered in thousands or millions of dollars in order to avoid overflow of the field widths provided elsewhere in the spreadsheet. Investment are assumed to take place at the beginning of the year. Assets with a lengthy construction period should be entered as the sum of original cost and any allowance for funds used during construction (AFDC).

Book Life is entered as years. *Salvage Value*, positive or negative, is entered next as a percentage of capitalized cost. This data is normally computed as a weighted average of several accounts on page 11 and transferred automatically. However, data can be entered on the input page directly for special studies. *Macrs Life* is the tax life of the asset. For utility property, this is typically 15 or 20 years. The user must be cautioned to select values of tax life corresponding to those tax tables currently employed in the tax laws. Should subsequent laws modify the current tax rates, the user must enter these new tax values in the tax tables portion of the program.

IV. ANNUAL COST DATA (Pages 7, 8, 9, and 10)

The Levelized Fixed Charge Program utilizes conventional utility rate making practice to derive annual revenue requirements for each year of a long-lived asset's existence. The program develops a year-by-year schedule of each component of the revenue requirement. Page 7 of the sample output displays a typical table of annual revenue requirements. Each column will be discussed in sequence beginning with Column 1.

1. Year Number

Year number serves two functions, to label the year along the vertical of Exhibit 2. The second function is to serve as an index for those columns whose costs are subject to escalation. The program is designed to accept a maximum of 65 years of data. For assets longer than 65 years, the totals shown at the bottom of Exhibit 1 can be moved down. Then the entire row of formulas shown presently as year number 65 can be copied to the desired number of additional rows.

2. Rate Base

Rate base is initially established as the inputted value to be capitalized. In subsequent years, rate base is reduced by book depreciation, deferred taxes, and any portion of investment tax credits deemed applicable by the regulatory jurisdiction.

3. Interest on Debt

Interest on debt is simply computed as the cost of debt times its fraction of the capital structure, again multiplied by the applicable year's rate base.

4. Return on Preferred

Return on preferred is calculated as cost preferred equity times its portion of the total capital structure times the applicable year's rate base.

5. Return on Common

Return on common is computed as the inputted cost of common stock times its percentage of the total capital structure, again multiplied by the current year's rate base.

6. Tax Depreciation

Tax depreciation is computed using tables of annual depreciation for 3, 5, 10 and 15-year-lived assets using the modified ACRS tables put into effect in tax year 1986. The tables are contained elsewhere in the program and are simply referenced year by year and multiplied by the depreciable value of the asset. Provisions are made to allow for positive or negative tax salvage value in adjusting for the depreciable base of the item.

7. Book Depreciation

Book depreciation is computed as straight line depreciation of the depreciable asset value. Salvage value is subtracted from initial cost and then divided by book life to calculate annual book depreciation expenses.

8. Deferred Taxes

Deferred taxes are computed as the difference between tax and book depreciation multiplied by the effective tax rate.

9. Taxable Income

Taxable income is the most complex relationship in the Levelized Fixed Charge Program. The definition of taxable income must be based, in part, on the treatment of deferred taxes. While some utilities treat deferred taxes as an adjustment to current taxes, the Management Applications Consulting, Inc. model adjusts taxable income for deferred taxes so that current taxes payable can be computed simply as taxable income times the tax rate (adjusting for any investment tax credits).

To understand the workings of the program, it is useful to define our nomenclature and set up a representative example. Table 1 provides the basis for further discussion:

TABLE 1

| <u>Abbrev.</u> | <u>Description</u> | <u>Example</u> |
|----------------|---------------------------------|----------------|
| OI | = Operating Income | \$1,000 |
| E | = Expenses | 500 |
| BD | = Book Depreciation | 200 |
| TD | = Tax Depreciation | 300 |
| TR | = Tax Rate | 40% |
| R | = Return on Rate Base | 220 * |
| I | = Interest | 100 * |
| RET | = Return on Contributed Capital | 120 * |
| DT | = Deferred Tax | 40 * |
| TI | = Taxable Income | 100 * |
| TP | = Current Taxes Payable | 40 * |

* Implies a computed value as derived below.

Based on conventional tax regulations, taxable income is defined as operating income less expenses, interest, and tax depreciation as shown in Equation 1:

$$\begin{aligned}
 TI &= OI - E - I - TD & (1) \\
 &= 1000 - 500 - 100 - 300 \\
 &= 100
 \end{aligned}$$

As previously defined, taxes payable are simply taxable income times the tax rate as defined in Equation 2:

$$\begin{aligned}
 TP &= TI * TR & (2) \\
 &= 100 * .40 \\
 &= 40
 \end{aligned}$$

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Deferred taxes are defined as tax timing differences (tax depreciation minus book depreciation) times the prevailing tax rate as shown in Equation 3:

$$\begin{aligned} DT &= (TD - BD) * TR \\ &= (300 - 200) * .40 \\ &= 40 \end{aligned} \quad (3)$$

An expression for return can be derived from the formula for operating income as shown in Equations 4 and 5 below.

$$OI = E + R + BD + DT + TP \quad (4)$$

$$\begin{aligned} R &= OI - E - BD - DT - TP \\ &= 1000 - 500 - 200 - 40 - 40 \\ &= 220 \end{aligned} \quad (5)$$

For convenience, it is worthwhile to define the return component into two pieces, that associated with debt and that associated with contributed capital. Return can thus be defined as the sum of interest plus a return on contributed capital as shown in Equations 6 and 7.

$$R = I + RET \quad (6)$$

$$\begin{aligned} RET &= R - I \\ &= 220 - 100 \\ &= 120 \end{aligned} \quad (7)$$

Taxable income defined in Equation 1 requires a knowledge of operating income. However, in the leveled fixed charge analysis, we must compute taxable income as a function of return and known depreciation figures. We begin to derive an expression for taxable income by substituting Equation 4 into Equation 1 as shown in Equation 8 below.

$$\begin{aligned} TI &= E + R + BD + DT + TP - E - I - TD \\ &= REF - I + BD - TD + DT + TP \end{aligned} \quad (8)$$

Using the relationship between interest and total return, we can substitute Equation 7 into Equation 8 resulting in Equation 9 below.

$$TI = RET + BD - TD + DT + TP \quad (9)$$

However, taxes payable are defined in Equation 2. Substituting this formula into Equation 9, we can derive taxable income as shown in Equation 10 and simplified in Equation 11 below.

$$TI = RET + BD - TD + DT + TI * TR \quad (10)$$

Simplifying

$$\begin{aligned} TI &= \frac{RET + BD - TD + DT}{1 - TR} \\ &= \frac{120 + 200 - 300 + 40}{1 - .40} \\ &= 100 \end{aligned} \quad (11)$$

10. Income Tax Payable

Income tax payable is simply taxable income times the effective tax rate.

11. Revenue Tax

Revenue tax is computed as annual revenue requirements times the inputted revenue tax rate.

12. Property Tax

Property taxes are computed as depreciated or original cost times inputted property tax rate times an inputted escalation factor. The intent of this equation is to inflate the property tax value to reflect the increases in local property taxes known to prevail across the country, but limit property taxes to positive values. General pressure for improving local services coupled with a reduction in federal revenue sharing funds suggests that local taxes will be subject to upward pressures in the future. Whether these upward pressures manifest themselves as re-assessments based on replacement cost new or escalation of the present property tax rates is uncertain. In either case, property taxes are expected to rise.

13. Property Insurance

Property insurance is calculated as property value times inputted property insurance rate. This value is escalated by the inflation rate to reflect inflationary pressures similar to those experienced in property taxes.

14. Annual Revenue Requirements

Annual revenue requirements are the sum of interest, return, book depreciation, deferred taxes, income tax payable, revenue tax, property tax, and property insurance.

15. Percent of Original Investment

This column simply reflects the ratio of the current year's annual revenue requirements to the original cost of the asset.

Each column has three computed statistics in addition to the individual yearly data as follows:

1. Total

The total is the simple arithmetic sum of the 65 years of data.

2. Present Worth

This row corresponds to the present worth in year zero of the sum of the annual revenue requirements occurring in that column, using the After Tax Cost of Capital for discounting.

3. Levelized Payment

This row contains the value of the annual payment equal to the present worth provided in the previous column.

V. SUMMARY DATA PAGE (Pages 3, 4, 5, and 6)

The summary data pages contain the usable output from the Levelized Fixed Charge Program for each of the four cases. Along the horizontal of this exhibit are two groupings of two columns each. The first columns are labeled "Current Dollars" and represent the Engineer's Fixed Charge Rates. Dollars expressed in these columns are in current dollars and therefore are not subject to escalation. The second two columns are labeled "Constant Dollars" and represent the Economist's Fixed Charge Rate. These values represent costs in year 1, which would be subject to inflation in all subsequent years, such that the present value of any year's payment would be equal to the value expressed in year 1. For most purposes, only Line 21, Total Revenue Required, is of particular interest. However, the make-up of the total revenue requirement is shown segregated into return, depreciation, income tax, and other components as shown on Lines 1 through 18.

The values shown under the columns "Current Dollars" are directly from the data shown in Exhibit 1, Detailed Annual Revenue Requirements. The development of constant dollars fixed charge rates requires an additional computation to discount for the affects of anticipated inflation.

The following formula was used to derive constant dollars values:

$$\text{Rate} = \frac{P * (1+i)^n * (i-e)}{(1+i)^n - (1+e)^n}$$

Where:

P = present worth,
 i = interest rate,
 n = number of time periods,
 e = expected escalation due to inflation.

For most users, all essential output is found on the Data Summary Page, shown as Exhibit 3. The Levelized Fixed Charge Rate shown at the bottom of the second and fourth columns represents the annual payment equivalent to the entire stream of revenue requirements associated with the asset identified in the input data page. The actual revenue requirements that the utility will incur are shown on the detail pages year by year. For many applications, it is essential to equate this series of varying payments to a uniformly predictable series of payments. For example,

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contract rates often require levelization in order to meet the predictability requirements necessary for customer financing requirements. Marginal cost studies typically use leveled payments in order to estimate the long-run impact of potential investment decisions.

The choice of Engineer's or Economist's Fixed Charge Rate has been the source of many heated debates. The Economist's Fixed Charge Rate assumes that an asset has equal utility throughout its life. For example, a production plant is just as useful in its first year as it is in its last. The Engineer's Fixed Charge Rate makes no such assumption. The Economist's Fixed Charge Rate makes specific recognition of the existence of inflation. The Engineer's Fixed Charge Rate ignores inflation even though some expectation of future inflation is implicitly included in the development of the individual component costs of capital. The specific choice of fixed charge rates is left to the user.

For further information on the Levelized Fixed Charge Program, please contact:

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EXHIBIT 1

08/18/94

Input Data

MANAGEMENT APPLICATIONS CONSULTING, INC.
 LEVELIZED FIXED CHARGE ANALYSIS Rev. 4.0.0

INPUT DATA
 Peaking Plant

| <u>VARIABLE</u> | <u>INPUT</u> |
|--------------------------|----------------------------------|
| <u>Plant Data</u> | |
| CAPITALIZED COST | \$1,000 |
| BOOK LIFE | 34 years |
| SALVAGE VALUE | 6% |
| MACRS LIFE | 20 years |
| <u>Capital Structure</u> | |
| DEBT RATIO | 50.00% |
| PREFERRED RATIO | 5.00% |
| COMMON RATIO | 45.00% |
| OTHER _____ | 0.00% |
| <u>Cost of Capital</u> | |
| DEBT COST | 9.00% |
| PREFERRED COST | 8.75% |
| COMMON COST | 12.00% |
| OTHER | 0.00% |
| WTD COST OF CAPITAL | 10.34% |
| AFTER TAX COST / CAP | 8.61% |
| <u>Tax Data</u> | |
| TAX RATE | 38.29% |
| ITC RATE | 0.00% |
| REVENUE TAX RATE | 0.00% |
| PROPERTY TAX RATE | 2.50% |
| PROPERTY INSURANCE | 0.00% |
| PROPERTY TAX BASIS | 2 (Based on Depreciated Balance) |
| 1 = Original Cost | — |
| 2 = Depreciated Bal | — |
| <u>Misc. Data</u> | |
| INFLATION RATE | 3.50% |
| PROP TAX ESC RATE | 3.50% |
| RETURN BASIS | 3 (Ending Balance) |
| 1 = Begin of Year | — |
| 2 = Avg Begin & End | — |
| 3 = End of Year | — |

Schedule Number
 Company Name
 Study Title

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Summary of Levelized Fixed Charge Rates

| Line No. | Description | Engineer's Fixed Charge Rate | Economist's Fixed Charge Rate |
|-------------|--------------------------------------|------------------------------------|-------------------------------------|
| 1 | FIXED CHARGE RATE RESULTS | | Over Book Life |
| 2 | | | |
| 3 | Levelized Cost for: | {1} | |
| 4 | Production Plant | (CASE 1) | 12.99% |
| 5 | Mains (Cap-related Dist) | (CASE 2) | 13.50% |
| 6 | Services Investment | (CASE 3) | 13.32% |
| 7 | Meters Investment | (CASE 4) | 13.07% |
| 8 | | | |
| 9 | | | |
| 10 | INCREMENTAL COST OF CAPITAL | {2} | |
| 11 | Debt | 8.80% | 50.90% |
| 12 | Preferred | 0.00% | 0.00% |
| 13 | Common | 11.25% | 49.10% |
| 14 | Other | 0.00% | 0.00% |
| 15 | Weighted Cost of Incremental Capital | 10.00% | |
| 16 | | | |
| 17 | | | |
| 18 | OTHER FACTORS | | |
| 19 | After Tax Cost of New Capital | {3} | 8.25% |
| 20 | Incremental Tax Rate | {4} | 39.23% |
| 21 | Tax Effected Cost of Capital | {5} | 13.57% |
| 22 | Property Tax Rate | {6} | 2.06% |
| 23 | Gross Receipts Tax Rate | {7} | 0.00% |
| 24 | Inflation Rate | {8} | 3.00% |
| 25 | Property Tax Escalation Rate | {8} | 3.00% |
| 26 | Property Insurance Rate | | 0.00% |
| 27 | Investement Tax Credit Rate | | 0.00% |
| 28 | Property Tax Basis | {9} | 2 |
| 29 | Return Basis | {10} | 3 |

NOTES:

- 1 Source: Schedule Number, pages 3, 4, 5, & 6.
- 2 Current cost of raising capital.
- 3 Wtd Cost of Capital (15) less tax savings on debt interest.
- 4 Incremental income tax rate for combined state and federal income taxes.
- 5 Before tax cost of capital.
- 6 Current composite average tax rate.

Schedule Number
Company Name
 Study Title

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INPUT DATA

| LINE NO. | VARIABLE | Production Plant | Mains (Cap-related) | Services Investment | Meters Investment |
|----------|----------------------|------------------|---------------------|---------------------|-------------------|
| 1 | Plant Data | | | | |
| 2 | | | | | |
| 3 | CAPITALIZED COST | \$1,000 | \$1,000 | \$1,000 | \$1,000 |
| 4 | BOOK LIFE | 35 | 57 | 42 | 36 |
| 5 | SALVAGE VALUE | -9% | -40% | -120% | -23% |
| 6 | MACRS LIFE | 20 | 20 | 20 | 20 |
| 7 | | | | | |
| 8 | | | | | |
| 9 | Capital Structure | | | | |
| 10 | | | | | |
| 11 | DEBT RATIO | 50.90% | 50.90% | 50.90% | 50.90% |
| 12 | PREFERRED RATIO | 0.00% | 0.00% | 0.00% | 0.00% |
| 13 | COMMON RATIO | 49.10% | 49.10% | 49.10% | 49.10% |
| 14 | OTHER | 0.00% | 0.00% | 0.00% | 0.00% |
| 15 | | | | | |
| 16 | Cost of Capital | | | | |
| 17 | | | | | |
| 18 | DEBT COST | 8.80% | 8.80% | 8.80% | 8.80% |
| 19 | PREFERRED COST | 0.00% | 0.00% | 0.00% | 0.00% |
| 20 | COMMON COST | 11.25% | 11.25% | 11.25% | 11.25% |
| 21 | OTHER | 0.00% | 0.00% | 0.00% | 0.00% |
| 22 | WTD COST OF CAPITAL | 10.00% | 10.00% | 10.00% | 10.00% |
| 23 | AFTER TAX COST / CAP | 8.25% | 8.25% | 8.25% | 8.25% |
| 24 | | | | | |
| 25 | Tax Data | | | | |
| 26 | | | | | |
| 27 | TAX RATE | 39.23% | 39.23% | 39.23% | 39.23% |
| 28 | ITC RATE | 0.00% | 0.00% | 0.00% | 0.00% |
| 29 | REVENUE TAX RATE | 0.00% | 0.00% | 0.00% | 0.00% |
| 30 | PROPERTY TAX RATE | 2.06% | 2.06% | 2.06% | 2.06% |
| 31 | PROPERTY INSURANCE | 0.00% | 0.00% | 0.00% | 0.00% |
| 32 | PROPERTY TAX BASIS | 2 | 2 | 2 | 2 |
| 33 | 1 = Original Cost | | | | |
| 34 | 2 = Depreciated Bal | | | | |
| 35 | | | | | |
| 36 | Misc. Data | | | | |
| 37 | | | | | |
| 38 | INFLATION RATE | 3.00% | 3.00% | 3.00% | 3.00% |
| 39 | PROP TAX ESC RATE | 3.00% | 3.00% | 3.00% | 3.00% |
| 40 | RETURN BASIS | 3 | 3 | 3 | 3 |
| 41 | 1 = Begin of Year | | | | |
| 42 | 2 = Avg Begin & End | | | | |
| 43 | 3 = End of Year | | | | |

Schedule Number
Company Name
 Study Title

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Production Plant

| LINE NO. | ITEM | -- Current Dollars -- | | -- Constant Dollars -- | | |
|----------|---------------------|-----------------------|---------------------------|-------------------------------|-------------------|--------------|
| | | (Engineer's FCR) | CURRENT LEVELIZED DOLLARS | PERCENT OF CAPITAL INVESTMENT | (Economist's FCR) | |
| 1 | INTEREST ON DEBT | | \$26.61 | 2.66% | \$19.35 | 1.94% |
| 2 | RETURN ON PREF | | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 3 | RETURN ON COMMON | | <u>\$32.81</u> | <u>3.28%</u> | <u>\$23.86</u> | <u>2.39%</u> |
| 4 | | | | | | |
| 5 | RETURN | | \$59.42 | 5.94% | \$43.21 | 4.32% |
| 6 | | | | | | |
| 7 | DEPRECIATION | | \$30.88 | 3.09% | \$22.46 | 2.25% |
| 8 | | | | | | |
| 9 | INCOME TAX | | \$15.87 | 1.59% | \$11.54 | 1.15% |
| 10 | DEFERRED TAXES | | <u>\$5.31</u> | <u>0.53%</u> | <u>\$3.86</u> | <u>0.39%</u> |
| 11 | | | | | | |
| 12 | INCOME TAX | | \$21.18 | 2.12% | \$15.40 | 1.54% |
| 13 | | | | | | |
| 14 | REVENUE TAX | | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 15 | PROPERTY TAX | | \$18.47 | 1.85% | \$13.44 | 1.34% |
| 16 | PROPERTY INSURANCE | | <u>\$0.00</u> | <u>0.00%</u> | <u>\$0.00</u> | <u>0.00%</u> |
| 17 | | | | | | |
| 18 | OTHER | | <u>\$18.47</u> | <u>1.85%</u> | <u>\$13.44</u> | <u>1.34%</u> |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | TOTAL REVENUE REQ'D | | \$129.94 | 12.99% | \$94.51 | 9.45% |

Schedule Number
Company Name
 Study Title

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Mains (Cap-related Dist)

| LINE NO. | ITEM | -- Current Dollars -- (Engineer's FCR) | | -- Constant Dollars -- (Economist's FCR) | |
|-------------|---------------------|---|-------------------------------------|---|-------------------------------------|
| | | CURRENT LEVELIZED DOLLARS | PERCENT OF CAPITAL INVESTMENT | CONSTANT LEVELIZED DOLLARS | PERCENT OF CAPITAL INVESTMENT |
| 1 | INTEREST ON DEBT | \$28.37 | 2.84% | \$18.07 | 1.81% |
| 2 | RETURN ON PREF | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 3 | RETURN ON COMMON | <u>\$34.99</u> | <u>3.50%</u> | <u>\$22.29</u> | <u>2.23%</u> |
| 4 | | | | | |
| 5 | RETURN | \$63.36 | 6.34% | \$40.36 | 4.04% |
| 6 | | | | | |
| 7 | DEPRECIATION | \$25.85 | 2.59% | \$16.47 | 1.65% |
| 8 | | | | | |
| 9 | INCOME TAX | \$15.33 | 1.53% | \$9.77 | 0.98% |
| 10 | DEFERRED TAXES | <u>\$7.25</u> | <u>0.72%</u> | <u>\$4.62</u> | <u>0.46%</u> |
| 11 | | | | | |
| 12 | INCOME TAX | \$22.58 | 2.26% | \$14.39 | 1.44% |
| 13 | | | | | |
| 14 | REVENUE TAX | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 15 | PROPERTY TAX | \$23.22 | 2.32% | \$14.79 | 1.48% |
| 16 | PROPERTY INSURANCE | <u>\$0.00</u> | <u>0.00%</u> | <u>\$0.00</u> | <u>0.00%</u> |
| 17 | | | | | |
| 18 | OTHER | <u>\$23.22</u> | <u>2.32%</u> | <u>\$14.79</u> | <u>1.48%</u> |
| 19 | | | | | |
| 20 | | | | | |
| 21 | TOTAL REVENUE REQ'D | \$135.02 | 13.50% | \$86.01 | 8.60% |

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Schedule Number
Company Name
 Study Title

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Services Investment

| LINE NO. | ITEM | -- Current Dollars -- (Engineer's FCR) | | -- Constant Dollars -- (Economist's FCR) | |
|----------|---------------------|---|-------------------------------|---|-------------------------------|
| | | CURRENT LEVELIZED DOLLARS | PERCENT OF CAPITAL INVESTMENT | CONSTANT LEVELIZED DOLLARS | PERCENT OF CAPITAL INVESTMENT |
| 1 | INTEREST ON DEBT | \$19.58 | 1.96% | \$13.40 | 1.34% |
| 2 | RETURN ON PREF | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 3 | RETURN ON COMMON | <u>\$24.14</u> | <u>2.41%</u> | <u>\$16.52</u> | <u>1.65%</u> |
| 4 | | | | | |
| 5 | RETURN | \$43.72 | 4.37% | \$29.92 | 2.99% |
| 6 | | | | | |
| 7 | DEPRECIATION | \$53.59 | 5.36% | \$36.68 | 3.67% |
| 8 | | | | | |
| 9 | INCOME TAX | \$17.99 | 1.80% | \$12.31 | 1.23% |
| 10 | DEFERRED TAXES | <u>(\$2.41)</u> | <u>-0.24%</u> | <u>(\$1.65)</u> | <u>-0.16%</u> |
| 11 | | | | | |
| 12 | INCOME TAX | \$15.58 | 1.56% | \$10.66 | 1.07% |
| 13 | | | | | |
| 14 | REVENUE TAX | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 15 | PROPERTY TAX | \$20.29 | 2.03% | \$13.89 | 1.39% |
| 16 | PROPERTY INSURANCE | <u>\$0.00</u> | <u>0.00%</u> | <u>\$0.00</u> | <u>0.00%</u> |
| 17 | | | | | |
| 18 | OTHER | <u>\$20.29</u> | <u>2.03%</u> | <u>\$13.89</u> | <u>1.39%</u> |
| 19 | | | | | |
| 20 | | | | | |
| 21 | TOTAL REVENUE REQ'D | \$133.18 | 13.32% | \$91.16 | 9.12% |

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Schedule Number
Company Name
 Study Title

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Meters Investment

| LINE NO. | ITEM | -- Current Dollars -- (Engineer's FCR) | | -- Constant Dollars -- (Economist's FCR) | |
|-------------|---------------------|---|-------------------------------------|---|-------------------------------------|
| | | CURRENT LEVELIZED DOLLARS | PERCENT OF CAPITAL INVESTMENT | CONSTANT LEVELIZED DOLLARS | PERCENT OF CAPITAL INVESTMENT |
| 1 | INTEREST ON DEBT | \$25.69 | 2.57% | \$18.49 | 1.85% |
| 2 | RETURN ON PREF | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 3 | RETURN ON COMMON | \$31.68 | 3.17% | \$22.80 | 2.28% |
| 4 | | | | | |
| 5 | RETURN | \$57.36 | 5.74% | \$41.29 | 4.13% |
| 6 | | | | | |
| 7 | DEPRECIATION | \$34.10 | 3.41% | \$24.55 | 2.45% |
| 8 | | | | | |
| 9 | INCOME TAX | \$16.32 | 1.63% | \$11.75 | 1.18% |
| 10 | DEFERRED TAXES | \$4.12 | 0.41% | \$2.97 | 0.30% |
| 11 | | | | | |
| 12 | INCOME TAX | \$20.44 | 2.04% | \$14.72 | 1.47% |
| 13 | | | | | |
| 14 | REVENUE TAX | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 15 | PROPERTY TAX | \$18.76 | 1.88% | \$13.50 | 1.35% |
| 16 | PROPERTY INSURANCE | \$0.00 | 0.00% | \$0.00 | 0.00% |
| 17 | | | | | |
| 18 | OTHER | \$18.76 | 1.88% | \$13.50 | 1.35% |
| 19 | | | | | |
| 20 | | | | | |
| 21 | TOTAL REVENUE REQ'D | \$130.66 | 13.07% | \$94.06 | 9.41% |
| 22 | | | | | |

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Schedule Number
Company Name
 Study Title

Development of Revenue Requirements Stream
Production Plant

| YR NO. | Rate Base | Interest on debt | Return on Preferred | Return on Common | Tax Depreciation | Book Deprec'n | Deferred Tax | Taxable Income | Inc Tax Payable | Revenue Tax | Property Tax | Property Insurance | Annual Revenue Req'mt | % of Original Invest'mt | Present Worth of Rev Req'mt |
|---------------|-----------|------------------|---------------------|------------------|------------------|---------------|--------------|----------------|-----------------|-------------|--------------|--------------------|-----------------------|-------------------------|-----------------------------|
| | | | | | | | | | | | | | (14) | (15) | (16) |
| | | 1,000.00 | | | | | | | | | | | 182.76 | 18.28% | 168.84 |
| 1 | 986.43 | 43.29 | 0.00 | 53.38 | 37.50 | 31.03 | 2.54 | 81.37 | 31.92 | 0.00 | 20.60 | 0.00 | 178.37 | 17.64% | 150.52 |
| 2 | 919.25 | 41.16 | 0.00 | 50.78 | 72.19 | 31.03 | 16.14 | 42.40 | 18.63 | 0.00 | 20.61 | 0.00 | 170.25 | 17.03% | 134.23 |
| 3 | 874.20 | 39.16 | 0.00 | 48.29 | 86.77 | 31.03 | 14.02 | 43.72 | 17.15 | 0.00 | 20.61 | 0.00 | 164.38 | 16.44% | 119.73 |
| 4 | 831.11 | 37.23 | 0.00 | 45.91 | 81.77 | 31.03 | 12.05 | 44.81 | 17.58 | 0.00 | 20.58 | 0.00 | 158.74 | 15.87% | 106.81 |
| 5 | 788.84 | 35.38 | 0.00 | 43.63 | 57.13 | 31.03 | 10.24 | 45.69 | 17.92 | 0.00 | 20.54 | 0.00 | | | |
| 6 | 750.25 | 33.61 | 0.00 | 41.44 | 52.85 | 31.03 | 8.58 | 46.38 | 18.19 | 0.00 | 20.47 | 0.00 | 153.30 | 15.33% | 95.29 |
| 7 | 712.21 | 31.90 | 0.00 | 39.34 | 48.88 | 31.03 | 7.00 | 46.88 | 18.39 | 0.00 | 20.38 | 0.00 | 148.05 | 14.80% | 85.02 |
| 8 | 675.62 | 30.26 | 0.00 | 37.32 | 45.22 | 31.03 | 5.56 | 47.22 | 18.52 | 0.00 | 20.27 | 0.00 | 142.97 | 14.30% | 75.85 |
| 9 | 639.25 | 28.83 | 0.00 | 35.31 | 44.62 | 31.03 | 5.33 | 44.52 | 17.46 | 0.00 | 20.13 | 0.00 | 137.80 | 13.79% | 67.59 |
| 10 | 602.89 | 27.00 | 0.00 | 33.30 | 44.62 | 31.03 | 5.33 | 41.22 | 18.17 | 0.00 | 19.97 | 0.00 | 132.80 | 13.28% | 60.13 |
| 11 | 566.53 | 25.38 | 0.00 | 31.29 | 44.62 | 31.03 | 5.33 | 37.91 | 14.87 | 0.00 | 19.77 | 0.00 | 127.88 | 12.77% | 53.40 |
| 12 | 530.17 | 23.75 | 0.00 | 29.29 | 44.62 | 31.03 | 5.33 | 34.61 | 13.57 | 0.00 | 19.55 | 0.00 | 122.52 | 12.25% | 47.34 |
| 13 | 493.81 | 22.12 | 0.00 | 27.28 | 44.62 | 31.03 | 5.33 | 31.30 | 12.28 | 0.00 | 19.30 | 0.00 | 117.34 | 11.73% | 41.89 |
| 14 | 457.45 | 20.49 | 0.00 | 25.27 | 44.62 | 31.03 | 5.33 | 28.00 | 10.98 | 0.00 | 19.02 | 0.00 | 112.12 | 11.21% | 38.97 |
| 15 | 421.09 | 18.86 | 0.00 | 23.26 | 44.62 | 31.03 | 5.33 | 24.69 | 9.69 | 0.00 | 18.70 | 0.00 | 108.88 | 10.69% | 32.56 |
| 16 | 384.72 | 17.23 | 0.00 | 21.25 | 44.62 | 31.03 | 5.33 | 21.39 | 8.39 | 0.00 | 18.34 | 0.00 | 101.57 | 10.16% | 28.59 |
| 17 | 348.36 | 15.60 | 0.00 | 19.24 | 44.62 | 31.03 | 5.33 | 18.08 | 7.09 | 0.00 | 17.95 | 0.00 | 96.25 | 9.62% | 25.03 |
| 18 | 312.00 | 13.98 | 0.00 | 17.23 | 44.62 | 31.03 | 5.33 | 14.78 | 5.80 | 0.00 | 17.51 | 0.00 | 90.88 | 9.09% | 21.83 |
| 19 | 275.84 | 12.35 | 0.00 | 15.23 | 44.62 | 31.03 | 5.33 | 11.47 | 4.50 | 0.00 | 17.03 | 0.00 | 85.47 | 8.55% | 18.97 |
| 20 | 239.28 | 10.72 | 0.00 | 13.22 | 44.62 | 31.03 | 5.33 | 8.17 | 3.20 | 0.00 | 16.51 | 0.00 | 80.01 | 8.00% | 16.40 |
| 21 | 211.67 | 9.48 | 0.00 | 11.69 | 22.31 | 31.03 | (3.42) | 27.98 | 10.97 | 0.00 | 15.95 | 0.00 | 75.70 | 7.57% | 14.34 |
| 22 | 192.81 | 8.64 | 0.00 | 10.65 | 22.31 | 31.03 | (12.17) | 48.56 | 19.05 | 0.00 | 15.33 | 0.00 | 72.52 | 7.25% | 12.69 |
| 23 | 173.94 | 7.79 | 0.00 | 9.61 | 0.00 | 31.03 | (12.17) | 48.64 | 18.37 | 0.00 | 14.66 | 0.00 | 69.30 | 6.93% | 11.20 |
| 24 | 155.08 | 6.95 | 0.00 | 8.57 | 0.00 | 31.03 | (12.17) | 45.13 | 17.70 | 0.00 | 13.94 | 0.00 | 66.02 | 6.80% | 9.86 |
| 25 | 136.22 | 6.10 | 0.00 | 7.52 | 0.00 | 31.03 | (12.17) | 43.42 | 17.03 | 0.00 | 13.16 | 0.00 | 62.88 | 6.27% | 8.65 |
| 26 | 117.38 | 5.28 | 0.00 | 6.48 | 0.00 | 31.03 | (12.17) | 41.70 | 16.38 | 0.00 | 12.32 | 0.00 | 59.28 | 5.93% | 7.55 |
| 27 | 98.50 | 4.41 | 0.00 | 5.44 | 0.00 | 31.03 | (12.17) | 39.99 | 15.68 | 0.00 | 11.42 | 0.00 | 55.82 | 5.58% | 6.57 |
| 28 | 79.84 | 3.57 | 0.00 | 4.40 | 0.00 | 31.03 | (12.17) | 38.27 | 15.01 | 0.00 | 10.46 | 0.00 | 52.30 | 5.23% | 5.89 |
| 29 | 60.78 | 2.72 | 0.00 | 3.36 | 0.00 | 31.03 | (12.17) | 36.56 | 14.34 | 0.00 | 9.43 | 0.00 | 48.71 | 4.87% | 4.89 |
| 30 | 41.92 | 1.88 | 0.00 | 2.32 | 0.00 | 31.03 | (12.17) | 34.84 | 13.67 | 0.00 | 8.32 | 0.00 | 45.04 | 4.50% | 4.18 |
| 31 | 23.06 | 1.03 | 0.00 | 1.27 | 0.00 | 31.03 | (12.17) | 33.13 | 13.00 | 0.00 | 7.14 | 0.00 | 41.31 | 4.13% | 3.54 |
| 32 | 4.19 | 0.19 | 0.00 | 0.23 | 0.00 | 31.03 | (12.17) | 31.42 | 12.32 | 0.00 | 5.89 | 0.00 | 37.49 | 3.75% | 2.97 |
| 33 | (14.67) | (0.68) | 0.00 | (0.81) | 0.00 | 31.03 | (12.17) | 29.70 | 11.65 | 0.00 | 4.55 | 0.00 | 33.59 | 3.36% | 2.46 |
| 34 | (33.53) | (1.50) | 0.00 | (1.85) | 0.00 | 31.03 | (12.17) | 27.99 | 10.98 | 0.00 | 3.12 | 0.00 | 29.61 | 2.98% | 2.00 |
| 35 | (52.39) | (2.35) | 0.00 | (2.89) | 0.00 | 31.03 | (12.17) | 26.27 | 10.31 | 0.00 | 1.81 | 0.00 | 25.53 | 2.55% | 1.59 |
| 36 | 0.00 | 0.00 | 0.00 | 0.00 | 88.20 | 0.00 | 33.81 | (88.20) | (33.81) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| 65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 |
| TOTAL | \$584.04 | \$0.00 | \$695.57 | \$2,086.20 | \$1,086.20 | \$392.25 | \$144.51 | \$56.68 | \$0.00 | \$535.13 | \$0.00 | \$3,328.88 | | 1484.91491 | |
| PRESENT WORTH | \$304.03 | \$0.00 | \$374.93 | \$507.51 | \$352.85 | \$60.67 | \$462.26 | \$181.32 | \$0.00 | \$211.11 | \$0.00 | \$1,484.91 | 148.49%</ | | |

23

Schedule Number
Company Name
 Study Title

Development of Revenue Requirements Stream
Mains (Cap-related Dist)

| YR NO. | Rate Base | Interest on debt | Return on Preferred | Return on Common | Tax Deprec'n | Book Deprec'n | Deferred Tax | Taxable Income | Inc Tax Payable | Revenue Tax | Property Tax | Property Insurance | Annual Revenue Req'mt | % of Original Invest'mt | Present Worth of Rev Req'mt |
|-------------------|-----------|------------------|---------------------|------------------|--------------|---------------|--------------|----------------|-----------------|-------------|--------------|--------------------|-----------------------|-------------------------|-----------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| | 1,000.00 | | | | | | | | | | | | | | |
| 1 | 970.32 | 43.45 | 0.00 | 53.60 | 37.50 | 24.63 | 5.05 | 75.32 | 29.54 | 0.00 | 20.60 | 0.00 | 176.88 | 17.69% | 163.41 |
| 2 | 927.04 | 41.52 | 0.00 | 51.21 | 72.19 | 24.63 | 18.65 | 36.70 | 14.40 | 0.00 | 20.85 | 0.00 | 171.26 | 17.13% | 146.16 |
| 3 | 885.88 | 39.68 | 0.00 | 48.93 | 68.77 | 24.63 | 16.53 | 38.37 | 15.05 | 0.00 | 21.09 | 0.00 | 165.91 | 16.59% | 130.81 |
| 4 | 846.68 | 37.82 | 0.00 | 46.77 | 61.77 | 24.63 | 14.57 | 39.82 | 15.62 | 0.00 | 21.33 | 0.00 | 160.83 | 16.08% | 117.15 |
| 5 | 809.30 | 35.25 | 0.00 | 44.70 | 57.13 | 24.63 | 12.75 | 41.05 | 16.10 | 0.00 | 21.56 | 0.00 | 155.89 | 15.60% | 104.97 |
| 6 | 773.60 | 34.65 | 0.00 | 42.73 | 52.85 | 24.63 | 11.07 | 42.09 | 16.51 | 0.00 | 21.78 | 0.00 | 151.38 | 15.14% | 94.10 |
| 7 | 739.46 | 33.12 | 0.00 | 40.85 | 48.88 | 24.63 | 9.51 | 42.95 | 16.85 | 0.00 | 22.01 | 0.00 | 146.97 | 14.70% | 84.40 |
| 8 | 708.75 | 31.66 | 0.00 | 39.04 | 45.22 | 24.63 | 8.08 | 43.65 | 17.12 | 0.00 | 22.22 | 0.00 | 142.75 | 14.27% | 75.73 |
| 9 | 674.28 | 30.20 | 0.00 | 37.25 | 44.82 | 24.63 | 7.84 | 41.30 | 16.20 | 0.00 | 22.43 | 0.00 | 138.55 | 13.86% | 67.90 |
| 10 | 641.82 | 28.75 | 0.00 | 35.45 | 44.62 | 24.63 | 7.84 | 38.35 | 15.04 | 0.00 | 22.63 | 0.00 | 134.35 | 13.43% | 60.83 |
| 11 | 609.35 | 27.28 | 0.00 | 33.66 | 44.62 | 24.63 | 7.84 | 35.40 | 13.88 | 0.00 | 22.83 | 0.00 | 130.13 | 13.01% | 54.43 |
| 12 | 576.88 | 25.84 | 0.00 | 31.87 | 44.62 | 24.63 | 7.84 | 32.45 | 12.73 | 0.00 | 23.01 | 0.00 | 125.91 | 12.59% | 48.66 |
| 13 | 544.41 | 24.39 | 0.00 | 30.07 | 44.62 | 24.63 | 7.84 | 29.50 | 11.57 | 0.00 | 23.19 | 0.00 | 121.68 | 12.17% | 43.44 |
| 14 | 511.94 | 22.93 | 0.00 | 28.28 | 44.62 | 24.63 | 7.84 | 26.54 | 10.41 | 0.00 | 23.35 | 0.00 | 117.44 | 11.74% | 38.73 |
| 15 | 479.47 | 21.48 | 0.00 | 26.48 | 44.62 | 24.63 | 7.84 | 23.59 | 9.25 | 0.00 | 23.51 | 0.00 | 113.19 | 11.32% | 34.49 |
| 16 | 447.00 | 20.02 | 0.00 | 24.68 | 44.62 | 24.63 | 7.84 | 20.64 | 8.10 | 0.00 | 23.65 | 0.00 | 108.93 | 10.89% | 30.66 |
| 17 | 414.53 | 18.57 | 0.00 | 22.90 | 44.62 | 24.63 | 7.84 | 17.69 | 6.94 | 0.00 | 23.78 | 0.00 | 104.65 | 10.47% | 27.21 |
| 18 | 382.06 | 17.11 | 0.00 | 21.10 | 44.62 | 24.63 | 7.84 | 14.74 | 5.78 | 0.00 | 23.89 | 0.00 | 100.36 | 10.04% | 24.11 |
| 19 | 349.59 | 15.66 | 0.00 | 19.31 | 44.62 | 24.63 | 7.84 | 11.79 | 4.62 | 0.00 | 24.00 | 0.00 | 96.06 | 9.61% | 21.32 |
| 20 | 317.12 | 14.20 | 0.00 | 17.52 | 44.62 | 24.63 | 7.84 | 8.84 | 3.47 | 0.00 | 24.08 | 0.00 | 91.74 | 9.17% | 18.81 |
| 21 | 283.41 | 13.14 | 0.00 | 16.21 | 22.31 | 24.63 | (0.91) | 28.99 | 11.37 | 0.00 | 24.15 | 0.00 | 88.59 | 8.88% | 16.78 |
| 22 | 278.44 | 12.47 | 0.00 | 15.38 | 0.00 | 24.63 | (9.66) | 49.94 | 19.59 | 0.00 | 24.20 | 0.00 | 86.61 | 8.68% | 15.15 |
| 23 | 263.47 | 11.80 | 0.00 | 14.55 | 0.00 | 24.63 | (9.66) | 48.58 | 19.05 | 0.00 | 24.24 | 0.00 | 84.81 | 8.46% | 13.68 |
| 24 | 246.50 | 11.13 | 0.00 | 13.73 | 0.00 | 24.63 | (9.66) | 47.22 | 18.52 | 0.00 | 24.25 | 0.00 | 82.60 | 8.26% | 12.33 |
| 25 | 233.53 | 10.46 | 0.00 | 12.90 | 0.00 | 24.63 | (9.66) | 45.86 | 17.99 | 0.00 | 24.24 | 0.00 | 80.56 | 8.06% | 11.11 |
| 26 | 218.56 | 9.79 | 0.00 | 12.07 | 0.00 | 24.63 | (9.66) | 44.49 | 17.45 | 0.00 | 24.21 | 0.00 | 78.50 | 7.85% | 10.00 |
| 27 | 203.59 | 9.12 | 0.00 | 11.25 | 0.00 | 24.63 | (9.66) | 43.13 | 16.92 | 0.00 | 24.16 | 0.00 | 76.41 | 7.64% | 9.00 |
| 28 | 188.62 | 8.45 | 0.00 | 10.42 | 0.00 | 24.63 | (9.66) | 41.77 | 16.39 | 0.00 | 24.08 | 0.00 | 74.31 | 7.43% | 8.08 |
| 29 | 173.85 | 7.78 | 0.00 | 9.59 | 0.00 | 24.63 | (9.66) | 40.41 | 15.85 | 0.00 | 23.98 | 0.00 | 72.17 | 7.22% | 7.25 |
| 30 | 158.69 | 7.11 | 0.00 | 8.77 | 0.00 | 24.63 | (9.66) | 39.05 | 15.32 | 0.00 | 23.85 | 0.00 | 70.01 | 7.0% | 6.50 |
| 31 | 143.72 | 6.44 | 0.00 | 7.94 | 0.00 | 24.63 | (9.66) | 37.69 | 14.78 | 0.00 | 23.68 | 0.00 | 67.61 | 6.78% | 5.82 |
| 32 | 128.75 | 5.77 | 0.00 | 7.11 | 0.00 | 24.63 | (9.66) | 36.33 | 14.25 | 0.00 | 23.49 | 0.00 | 65.59 | 6.56% | 5.20 |
| 33 | 113.78 | 5.10 | 0.00 | 6.28 | 0.00 | 24.63 | (9.66) | 34.97 | 13.72 | 0.00 | 23.27 | 0.00 | 63.33 | 6.33% | 4.63 |
| 34 | 98.61 | 4.43 | 0.00 | 5.48 | 0.00 | 24.63 | (9.66) | 33.61 | 13.18 | 0.00 | 23.01 | 0.00 | 61.04 | 6.10% | 4.13 |
| 35 | 83.84 | 3.76 | 0.00 | 4.63 | 0.00 | 24.63 | (9.66) | 32.25 | 12.65 | 0.00 | 22.71 | 0.00 | 58.71 | 5.87% | 3.67 |
| 36 | 88.87 | 3.08 | 0.00 | 3.80 | 0.00 | 24.63 | (9.66) | 30.89 | 12.12 | 0.00 | 22.37 | 0.00 | 58.35 | 5.63% | 3.25 |
| 37 | 53.90 | 2.41 | 0.00 | 2.98 | 0.00 | 24.63 | (9.66) | 29.53 | 11.58 | 0.00 | 22.00 | 0.00 | 53.94 | 5.39% | 2.88 |
| 38 | 38.94 | 1.74 | 0.00 | 2.15 | 0.00 | 24.63 | (9.66) | 28.17 | 11.05 | 0.00 | 21.58 | 0.00 | 51.49 | 5.15% | 2.54 |
| 39 | 23.97 | 1.07 | 0.00 | 1.32 | 0.00 | 24.63 | (9.66) | 26.81 | 10.52 | 0.00 | 21.11 | 0.00 | 49.00 | 4.90% | 2.23 |
| 40 | 9.00 | 0.40 | 0.00 | 0.50 | 0.00 | 24.63 | (9.66) | 25.45 | 9.98 | 0.00 | 20.60 | 0.00 | 46.45 | 4.65% | 1.95 |
| 41 | (5.97) | (0.27) | 0.00 | (0.33) | 0.00 | 24.63 | (9.66) | 24.09 | 9.45 | 0.00 | 20.04 | 0.00 | 43.88 | 4.39% | 1.70 |
| 42 | (20.94) | (0.94) | 0.00 | (1.16) | 0.00 | 24.63 | (9.66) | 22.73 | 8.91 | 0.00 | 19.43 | 0.00 | 41.22 | 4.12% | 1.48 |
| 43 | (35.91) | (1.61) | 0.00 | (1.98) | 0.00 | 24.63 | (9.66) | 21.37 | 8.38 | 0.00 | 18.76 | 0.00 | 38.52 | 3.85% | 1.28 |
| 44 | (50.88) | (2.28) | 0.00 | (2.61) | 0.00 | 24.63 | (9.66) | 20.01 | 7.85 | 0.00 | 18.04 | 0.00 | 35.76 | 3.58% | 1.09 |
| 45 | (65.85) | (2.95) | 0.00 | (3.84) | 0.00 | 24.63 | (9.66) | 18.65 | 7.31 | 0.00 | 17.25 | 0.00 | 32.95 | 3.29% | 0.93 |
| 46 | (80.81) | (3.62) | 0.00 | (4.46) | 0.00 | 24.63 | (9.66) | 17.26 | 6.78 | 0.00 | 16.40 | 0.00 | 30.07 | 3.01% | 0.79 |
| 47 | (95.78) | (4.29) | 0.00 | (5.29) | 0.00 | 24.63 | (9.66) | 15.92 | 6.25 | 0.00 | 15.48 | 0.00 | 27.12 | 2.71% | 0.65 |
| 48 | (110.75) | (4.96) | 0.00 | (6.12) | 0.00 | 24.63 | (9.66) | 14.58 | 5.71 | 0.00 | 14.50 | 0.00 | 24.10 | 2.41% | 0.54 |
| 49 | (125.72) | (5.63) | 0.00 | (6.94) | 0.00 | 24.63 | (9.66) | 13.20 | 5.18 | 0.00 | 13.44 | 0.00 | 21.01 | 2.10% | 0.43 |
| 50 | (140.69) | (6.30) | 0.00 | (7.77) | 0.00 | 24.63 | (9.66) | 11.84 | 4.65 | 0.00 | 12.31 | 0.00 | 17.85 | 1.78% | 0.34 |
| 51 | (155.66) | (6.97) | 0.00 | (8.60) | 0.00 | 24.63 | (9.66) | 10.48 | 4.11 | 0.00 | 11.09 | 0.00 | 14.60 | 1.46% | 0.26 |
| 52 | (170.63) | (7.64) | 0.00 | (9.43) | 0.00 | 24.63 | (9.66) | 9.12 | 3.58 | 0.00 | 9.79 | 0.00 | 11.27 | 1.13% | 0.18 |
| 53 | (185.60) | (8.31) | 0.00 | (10.25) | 0.00 | 24.63 | (9.66) | 7.76 | 3.04 | 0.00 | 8.40 | 0.00 | 7.85 | 0.79% | 0.12 |
| 54 | (200.57) | (8.98) | 0.00 | (11.08) | 0.00 | 24.63 | (9.66) | 6.40 | 2.51 | 0.00 | 6.93 | 0.00 | 4.34 | 0.43% | 0.06 |
| 55 | (215.53) | (9.65) | 0.00 | (11.91) | 0.00 | 24.63 | (9.66) | 5.04 | 1.98 | 0.00 | 5.35 | 0.00 | 0.74 | 0.07% | 0.01 |
| 56 | (230.50) | (10.32) | 0.00 | (12.73) | 0.00 | 24.63 | (9.66) | 3.68 | 1.44 | 0.00 | 3.67 | 0.00 | (2.97) | -30% | (0.04) |
| 57 | (245.47) | (11.00) | 0.00 | (13.56) | 0.00 | 403.90 | 0.00 | 158.43 | (403.90) | (158.43) | 0.00 | 0.00 | (6.78) | -0.68% | (0.07) |
| 58 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 59 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 60 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 61 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 62 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 63 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 64 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 65 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| TOTAL | \$586.87 | \$0.00 | \$723.72 | \$2,403.90 | \$1,403.90 | \$392.25 | \$190.82 | \$74.85 | \$0.00 | \$1,129.75 | \$0.00 | \$4,311.34 | | 1542.95674 | |
| PRESENT WORTH | \$324.23 | \$0.00 | \$399.84 | \$506.62 | \$295.43 | \$82.84 | \$446.72 | \$175.22 | \$0.00 | \$265.39 | \$0.00 | \$1,542.96 | 154.30% | | |
| LEVELIZED PAYMENT | \$28.37 | \$0.00 | \$34.99 | \$44.33 | | | | | | | | | | | |

24

Schedule Number
Company Name
 Study Title

Development of Revenue Requirements Stream
Services Investment

| YR NO. | Rate Base | Interest on debt | Return on Preferred | Return on Common | Tax Deprec'n | Book Deprec'n | Deferred Tax | Taxable Income | Inc Tax Payable | Revenue Tax | Property Tax | Property Insurance | Annual Revenue Req'd | % of Original Invest'mt | Present Worth of Rev Req'd | | | | |
|-----------------|-----------|------------------|---------------------|------------------|--------------|-----------------|--------------|-------------------|-----------------|-------------------|--------------|--------------------|----------------------|-------------------------|----------------------------|-------------------|--|---------------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | | | | |
| 1,000.00 | | | | | | | | | | | | | | | | | | | |
| 1 | 953.48 | 42.71 | 0.00 | 52.67 | 37.50 | 52.38 | (5.84) | 101.54 | 39.83 | 0.00 | 20.60 | 0.00 | 202.35 | 20.23% | 188.93 | | | | |
| 2 | 893.31 | 40.01 | 0.00 | 49.34 | 72.19 | 52.38 | 7.77 | 61.38 | 24.08 | 0.00 | 20.71 | 0.00 | 194.30 | 19.43% | 185.82 | | | | |
| 3 | 836.28 | 37.41 | 0.00 | 46.14 | 86.77 | 52.38 | 5.85 | 61.52 | 24.13 | 0.00 | 20.81 | 0.00 | 188.53 | 18.65% | 147.08 | | | | |
| 4 | 779.22 | 34.90 | 0.00 | 43.04 | 81.77 | 52.38 | 3.88 | 61.44 | 24.10 | 0.00 | 20.90 | 0.00 | 179.01 | 17.90% | 130.38 | | | | |
| 5 | 724.87 | 32.47 | 0.00 | 40.05 | 57.13 | 52.38 | 1.88 | 61.14 | 23.98 | 0.00 | 20.98 | 0.00 | 171.72 | 17.17% | 115.55 | | | | |
| 6 | 672.41 | 30.12 | 0.00 | 37.14 | 52.85 | 52.38 | 0.18 | 60.65 | 23.79 | 0.00 | 21.04 | 0.00 | 164.65 | 16.47% | 102.35 | | | | |
| 7 | 621.40 | 27.83 | 0.00 | 34.32 | 48.88 | 52.38 | (1.37) | 59.97 | 23.53 | 0.00 | 21.08 | 0.00 | 157.78 | 15.78% | 90.61 | | | | |
| 8 | 571.83 | 25.61 | 0.00 | 31.59 | 45.22 | 52.38 | (2.81) | 59.14 | 23.20 | 0.00 | 21.11 | 0.00 | 151.08 | 15.11% | 80.15 | | | | |
| 9 | 522.49 | 23.40 | 0.00 | 28.86 | 44.62 | 52.38 | (3.05) | 55.25 | 21.67 | 0.00 | 21.12 | 0.00 | 144.40 | 14.44% | 70.77 | | | | |
| 10 | 473.16 | 21.19 | 0.00 | 26.14 | 44.62 | 52.38 | (3.05) | 50.77 | 19.91 | 0.00 | 21.12 | 0.00 | 137.70 | 13.77% | 62.35 | | | | |
| 11 | 423.82 | 18.98 | 0.00 | 23.41 | 44.62 | 52.38 | (3.05) | 46.29 | 18.18 | 0.00 | 21.09 | 0.00 | 130.98 | 13.10% | 54.79 | | | | |
| 12 | 374.49 | 16.77 | 0.00 | 20.69 | 44.62 | 52.38 | (3.05) | 41.80 | 16.40 | 0.00 | 21.05 | 0.00 | 124.24 | 12.42% | 48.01 | | | | |
| 13 | 325.15 | 14.56 | 0.00 | 17.98 | 44.62 | 52.38 | (3.05) | 37.32 | 14.64 | 0.00 | 20.98 | 0.00 | 117.48 | 11.75% | 41.94 | | | | |
| 14 | 275.82 | 12.35 | 0.00 | 15.24 | 44.62 | 52.38 | (3.05) | 32.83 | 12.88 | 0.00 | 20.89 | 0.00 | 110.69 | 11.07% | 36.51 | | | | |
| 15 | 226.48 | 10.14 | 0.00 | 12.51 | 44.62 | 52.38 | (3.05) | 28.35 | 11.12 | 0.00 | 20.77 | 0.00 | 103.88 | 10.39% | 31.85 | | | | |
| 16 | 177.15 | 7.93 | 0.00 | 9.79 | 44.62 | 52.38 | (3.05) | 23.87 | 9.36 | 0.00 | 20.63 | 0.00 | 97.05 | 9.70% | 27.31 | | | | |
| 17 | 127.81 | 5.73 | 0.00 | 7.06 | 44.62 | 52.38 | (3.05) | 19.38 | 7.60 | 0.00 | 20.46 | 0.00 | 90.19 | 9.02% | 23.45 | | | | |
| 18 | 78.48 | 3.52 | 0.00 | 4.34 | 44.62 | 52.38 | (3.05) | 14.90 | 5.84 | 0.00 | 20.27 | 0.00 | 83.30 | 8.33% | 20.01 | | | | |
| 19 | 29.14 | 1.31 | 0.00 | 1.81 | 44.62 | 52.38 | (3.05) | 10.41 | 4.09 | 0.00 | 20.04 | 0.00 | 76.38 | 7.64% | 16.95 | | | | |
| 20 | (20.19) | (0.90) | 0.00 | (1.12) | 44.62 | 52.38 | (3.05) | 5.93 | 2.33 | 0.00 | 19.78 | 0.00 | 69.42 | 6.84% | 14.23 | | | | |
| 21 | (60.77) | (2.72) | 0.00 | (3.38) | 22.31 | 52.38 | (11.80) | 24.55 | 9.63 | 0.00 | 19.49 | 0.00 | 63.62 | 6.36% | 12.05 | | | | |
| 22 | (92.61) | (4.15) | 0.00 | (5.12) | 0.00 | 52.38 | (20.55) | 43.98 | 17.24 | 0.00 | 19.16 | 0.00 | 58.98 | 5.90% | 10.32 | | | | |
| 23 | (124.44) | (5.57) | 0.00 | (6.87) | 0.00 | 52.38 | (20.55) | 41.07 | 16.11 | 0.00 | 18.80 | 0.00 | 54.29 | 5.43% | 8.78 | | | | |
| 24 | (158.28) | (7.00) | 0.00 | (8.63) | 0.00 | 52.38 | (20.55) | 38.18 | 14.97 | 0.00 | 18.39 | 0.00 | 49.57 | 4.96% | 7.40 | | | | |
| 25 | (188.11) | (8.43) | 0.00 | (10.39) | 0.00 | 52.38 | (20.55) | 35.28 | 13.84 | 0.00 | 17.95 | 0.00 | 44.80 | 4.48% | 6.18 | | | | |
| 26 | (219.95) | (9.85) | 0.00 | (12.15) | 0.00 | 52.38 | (20.55) | 32.39 | 12.71 | 0.00 | 17.48 | 0.00 | 40.00 | 4.00% | 5.10 | | | | |
| 27 | (251.78) | (11.28) | 0.00 | (13.91) | 0.00 | 52.38 | (20.55) | 29.50 | 11.57 | 0.00 | 16.92 | 0.00 | 35.14 | 3.51% | 4.14 | | | | |
| 28 | (283.62) | (12.70) | 0.00 | (15.67) | 0.00 | 52.38 | (20.55) | 26.60 | 10.44 | 0.00 | 16.34 | 0.00 | 30.24 | 3.02% | 3.29 | | | | |
| 29 | (315.45) | (14.13) | 0.00 | (17.42) | 0.00 | 52.38 | (20.55) | 23.71 | 9.30 | 0.00 | 15.71 | 0.00 | 25.29 | 2.53% | 2.54 | | | | |
| 30 | (347.29) | (15.56) | 0.00 | (19.18) | 0.00 | 52.38 | (20.55) | 20.82 | 8.17 | 0.00 | 15.03 | 0.00 | 20.29 | 2.03% | 1.88 | | | | |
| 31 | (379.12) | (16.98) | 0.00 | (20.94) | 0.00 | 52.38 | (20.55) | 17.92 | 7.03 | 0.00 | 14.29 | 0.00 | 15.23 | 1.52% | 1.31 | | | | |
| 32 | (410.95) | (18.41) | 0.00 | (22.70) | 0.00 | 52.38 | (20.55) | 15.03 | 5.90 | 0.00 | 13.49 | 0.00 | 10.11 | 1.01% | 0.80 | | | | |
| 33 | (442.79) | (19.83) | 0.00 | (24.46) | 0.00 | 52.38 | (20.55) | 12.14 | 4.78 | 0.00 | 12.63 | 0.00 | 4.93 | 0.49% | 0.36 | | | | |
| 34 | (474.62) | (21.26) | 0.00 | (26.22) | 0.00 | 52.38 | (20.55) | 9.24 | 3.63 | 0.00 | 11.71 | 0.00 | (0.31) | -0.03% | (0.02) | | | | |
| 35 | (506.46) | (22.69) | 0.00 | (27.98) | 0.00 | 52.38 | (20.55) | 6.35 | 2.49 | 0.00 | 10.72 | 0.00 | (5.62) | -0.56% | (0.35) | | | | |
| 36 | (538.29) | (24.11) | 0.00 | (28.73) | 0.00 | 52.38 | (20.55) | 3.46 | 1.38 | 0.00 | 9.66 | 0.00 | (10.99) | -1.10% | (0.63) | | | | |
| 37 | (570.13) | (25.54) | 0.00 | (31.49) | 0.00 | 52.38 | (20.55) | 0.56 | 0.22 | 0.00 | 8.53 | 0.00 | (18.45) | -1.64% | (0.88) | | | | |
| 38 | (601.98) | (26.96) | 0.00 | (33.25) | 0.00 | 52.38 | (20.55) | (2.33) | (0.91) | 0.00 | 7.32 | 0.00 | (21.97) | -2.20% | (1.08) | | | | |
| 39 | (633.80) | (28.39) | 0.00 | (35.01) | 0.00 | 52.38 | (20.55) | (5.22) | (2.05) | 0.00 | 6.03 | 0.00 | (27.58) | -2.78% | (1.25) | | | | |
| 40 | (665.63) | (29.81) | 0.00 | (36.77) | 0.00 | 52.38 | (20.55) | (8.12) | (3.18) | 0.00 | 4.66 | 0.00 | (33.27) | -3.33% | (1.40) | | | | |
| 41 | (697.47) | (31.24) | 0.00 | (38.53) | 0.00 | 52.38 | (20.55) | (11.01) | (4.32) | 0.00 | 3.20 | 0.00 | (38.05) | -3.91% | (1.52) | | | | |
| 42 | (729.30) | (32.67) | 0.00 | (40.28) | 0.00 | 52.38 | (20.55) | (13.90) | (5.45) | 0.00 | 1.85 | 0.00 | (44.92) | -4.49% | (1.81) | | | | |
| 43 | 0.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 470.70 | (1,200.00) | 0.00 | (470.70) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| 65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | | | | |
| TOTAL | | (\$0.78) | | \$0.00 | | (\$0.98) | | \$3,200.00 | | \$2,200.00 | | \$392.25 | | (\$1,001.58) | | (\$392.87) | | \$0.00 | |

25

Schedule Number
Company Name
Study Title

Development of Revenue Requirements Stream
Meters Investment

| YR NO. | Rate Base | Interest on debt | Return on Preferred | Return on Common | Tax Deprec'n | Book Deprec'n | Deferred Tax | Taxable Income | Inc Tax Payable | Revenue Tax | Property Tax | Property Insurance | Annual Revenue Req'mt | % of Original Invest'mt | Present Worth of Rev Req'mt |
|-------------------|-----------|------------------|---------------------|------------------|--------------|---------------|--------------|----------------|-----------------|-------------|--------------|--------------------|-----------------------|-------------------------|-----------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| | 1,000.00 | | | | | | | | | | | | | | |
| 1 | 984.57 | 43.20 | 0.00 | 53.28 | 37.50 | 34.10 | 1.33 | 84.27 | 33.05 | 0.00 | 20.80 | 0.00 | 185.57 | 18.58% | 171.43 |
| 2 | 915.53 | 41.01 | 0.00 | 50.57 | 72.19 | 34.10 | 14.94 | 45.12 | 17.70 | 0.00 | 20.83 | 0.00 | 178.95 | 17.89% | 152.72 |
| 3 | 888.61 | 38.81 | 0.00 | 47.98 | 86.77 | 34.10 | 12.82 | 46.27 | 18.15 | 0.00 | 20.84 | 0.00 | 172.59 | 17.28% | 138.08 |
| 4 | 823.66 | 36.89 | 0.00 | 45.50 | 81.77 | 34.10 | 10.85 | 47.19 | 18.51 | 0.00 | 20.83 | 0.00 | 168.49 | 16.65% | 121.26 |
| 5 | 780.53 | 34.96 | 0.00 | 43.11 | 57.13 | 34.10 | 9.04 | 47.91 | 18.79 | 0.00 | 20.81 | 0.00 | 160.61 | 16.08% | 108.07 |
| 6 | 739.08 | 33.10 | 0.00 | 40.82 | 52.85 | 34.10 | 7.35 | 48.42 | 18.99 | 0.00 | 20.56 | 0.00 | 154.84 | 15.49% | 98.32 |
| 7 | 699.18 | 31.32 | 0.00 | 38.82 | 48.88 | 34.10 | 5.80 | 48.76 | 19.13 | 0.00 | 20.50 | 0.00 | 149.48 | 14.95% | 85.83 |
| 8 | 660.72 | 29.60 | 0.00 | 38.50 | 45.22 | 34.10 | 4.36 | 48.93 | 19.19 | 0.00 | 20.41 | 0.00 | 144.15 | 14.42% | 78.48 |
| 9 | 622.50 | 27.88 | 0.00 | 34.39 | 44.82 | 34.10 | 4.13 | 46.06 | 18.07 | 0.00 | 20.30 | 0.00 | 138.85 | 13.89% | 68.05 |
| 10 | 584.27 | 26.17 | 0.00 | 32.27 | 44.52 | 34.10 | 4.13 | 42.59 | 16.70 | 0.00 | 20.18 | 0.00 | 133.53 | 13.35% | 60.46 |
| 11 | 546.05 | 24.46 | 0.00 | 30.18 | 44.62 | 34.10 | 4.13 | 39.11 | 15.34 | 0.00 | 19.99 | 0.00 | 128.18 | 12.82% | 53.62 |
| 12 | 507.83 | 22.75 | 0.00 | 28.05 | 44.62 | 34.10 | 4.13 | 35.64 | 13.98 | 0.00 | 19.80 | 0.00 | 122.80 | 12.28% | 47.45 |
| 13 | 469.80 | 21.03 | 0.00 | 25.94 | 44.62 | 34.10 | 4.13 | 32.16 | 12.62 | 0.00 | 19.58 | 0.00 | 117.39 | 11.74% | 41.91 |
| 14 | 431.38 | 19.32 | 0.00 | 23.83 | 44.62 | 34.10 | 4.13 | 28.89 | 11.25 | 0.00 | 19.33 | 0.00 | 111.96 | 11.20% | 38.92 |
| 15 | 393.18 | 17.61 | 0.00 | 21.72 | 44.62 | 34.10 | 4.13 | 25.22 | 9.89 | 0.00 | 19.04 | 0.00 | 106.48 | 10.65% | 32.44 |
| 16 | 354.94 | 15.90 | 0.00 | 19.81 | 44.62 | 34.10 | 4.13 | 21.74 | 8.53 | 0.00 | 18.72 | 0.00 | 100.98 | 10.10% | 28.42 |
| 17 | 316.71 | 14.19 | 0.00 | 17.49 | 44.62 | 34.10 | 4.13 | 18.27 | 7.17 | 0.00 | 18.36 | 0.00 | 95.43 | 9.54% | 24.81 |
| 18 | 278.49 | 12.47 | 0.00 | 15.38 | 44.62 | 34.10 | 4.13 | 14.79 | 5.80 | 0.00 | 17.97 | 0.00 | 89.85 | 8.88% | 21.58 |
| 19 | 240.27 | 10.76 | 0.00 | 13.27 | 44.62 | 34.10 | 4.13 | 11.32 | 4.44 | 0.00 | 17.54 | 0.00 | 84.23 | 8.42% | 18.89 |
| 20 | 202.04 | 9.05 | 0.00 | 11.16 | 44.62 | 34.10 | 4.13 | 7.85 | 3.08 | 0.00 | 17.06 | 0.00 | 78.57 | 7.88% | 16.11 |
| 21 | 172.57 | 7.73 | 0.00 | 9.53 | 22.31 | 34.10 | (4.62) | 27.47 | 10.78 | 0.00 | 16.54 | 0.00 | 74.05 | 7.40% | 14.02 |
| 22 | 151.85 | 6.80 | 0.00 | 8.39 | 0.00 | 34.10 | (13.37) | 47.90 | 18.79 | 0.00 | 15.97 | 0.00 | 70.87 | 7.07% | 12.36 |
| 23 | 131.12 | 5.87 | 0.00 | 7.24 | 0.00 | 34.10 | (13.37) | 46.02 | 18.05 | 0.00 | 15.35 | 0.00 | 67.24 | 6.72% | 10.87 |
| 24 | 110.40 | 4.95 | 0.00 | 6.10 | 0.00 | 34.10 | (13.37) | 44.13 | 17.31 | 0.00 | 14.88 | 0.00 | 63.76 | 6.38% | 9.52 |
| 25 | 88.88 | 4.02 | 0.00 | 4.95 | 0.00 | 34.10 | (13.37) | 42.25 | 16.57 | 0.00 | 13.96 | 0.00 | 60.22 | 6.02% | 8.31 |
| 26 | 88.95 | 3.09 | 0.00 | 3.81 | 0.00 | 34.10 | (13.37) | 40.36 | 15.83 | 0.00 | 13.18 | 0.00 | 58.63 | 5.88% | 7.22 |
| 27 | 48.23 | 2.18 | 0.00 | 2.66 | 0.00 | 34.10 | (13.37) | 38.48 | 15.09 | 0.00 | 12.34 | 0.00 | 52.98 | 5.30% | 6.24 |
| 28 | 27.51 | 1.23 | 0.00 | 1.52 | 0.00 | 34.10 | (13.37) | 38.80 | 14.36 | 0.00 | 11.44 | 0.00 | 49.27 | 4.93% | 5.36 |
| 29 | 8.79 | 0.30 | 0.00 | 0.37 | 0.00 | 34.10 | (13.37) | 34.71 | 13.62 | 0.00 | 10.47 | 0.00 | 45.49 | 4.55% | 4.57 |
| 30 | (13.94) | (0.62) | 0.00 | (0.77) | 0.00 | 34.10 | (13.37) | 32.83 | 12.88 | 0.00 | 9.44 | 0.00 | 41.85 | 4.18% | 3.87 |
| 31 | (34.86) | (1.55) | 0.00 | (1.91) | 0.00 | 34.10 | (13.37) | 30.95 | 12.14 | 0.00 | 8.33 | 0.00 | 37.73 | 3.77% | 3.24 |
| 32 | (55.38) | (2.48) | 0.00 | (3.08) | 0.00 | 34.10 | (13.37) | 29.06 | 11.40 | 0.00 | 7.15 | 0.00 | 33.74 | 3.37% | 2.87 |
| 33 | (76.11) | (3.41) | 0.00 | (4.20) | 0.00 | 34.10 | (13.37) | 27.18 | 10.68 | 0.00 | 5.89 | 0.00 | 29.67 | 2.97% | 2.17 |
| 34 | (98.83) | (4.34) | 0.00 | (5.35) | 0.00 | 34.10 | (13.37) | 25.30 | 9.92 | 0.00 | 4.55 | 0.00 | 25.51 | 2.55% | 1.72 |
| 35 | (117.55) | (5.27) | 0.00 | (6.49) | 0.00 | 34.10 | (13.37) | 23.41 | 9.18 | 0.00 | 3.13 | 0.00 | 21.27 | 2.13% | 1.33 |
| 36 | (138.27) | (6.19) | 0.00 | (7.64) | 0.00 | 34.10 | (13.37) | 21.53 | 8.45 | 0.00 | 1.81 | 0.00 | 18.95 | 1.68% | 0.98 |
| 37 | (0.00) | (0.00) | 0.00 | (0.00) | 227.52 | 0.00 | 89.24 | (227.52) | (89.24) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 38 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 39 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 40 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 41 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 42 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 43 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 44 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 45 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 46 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 47 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 48 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 49 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 50 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 51 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 52 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 53 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 54 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 55 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 56 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 57 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 58 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 59 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 60 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 61 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 62 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 63 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 64 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| 65 | (0.00) | (0.00) | 0.00 | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | (0.00) | 0.00 | 0.00 | 0.00 | (0.00) | -0.00% | (0.00) |
| TOTAL | \$522.88 | \$0.00 | \$844.81 | \$1,227.52 | \$1,227.52 | \$0.00 | \$1,080.99 | \$418.17 | \$0.00 | \$558.47 | \$0.00 | \$3,367.85 | | 1,493 | |
| ESSENTIAL ORTH | \$293.53 | \$0.00 | \$361.98 | \$509.72 | \$389.65 | \$47.10 | \$475.53 | \$186.53 | \$0.00 | \$214.33 | \$0.00 | \$1,493.11 | 149.31% | | |
| ELIMIZED YMENT | \$25.69 | \$0.00 | \$31.68 | \$44.61 | \$34.10 | \$4.12 | \$41.61 | \$16.32 | \$0.00 | \$18.76 | \$0.00 | \$130.66 | 13.07% | | |
| 1 | 317.73 | 0.00 | 391.83 | 551.75 | 42 | | | | | | | | | | |

26

Schedule Number
 Company Name
 Study Title

Page 11 of 11

| Development of Weighted Plant Book Lives and Salvage | | | | | |
|--|-------------|----------|---------------|----------------------|-------------------|
| Line No. | Description | Acct No. | Plant Balance | Average Service Life | Net Salvage Value |
| | | | (1) {1} | (2) {2} | (3) {2} |

| | | | | | |
|--|-----|--------------|----|-------|--|
| PRODUCTION PLANT | | | | | |
| 1 LAND & LAND RIGHTS | 304 | 19,179 | 0 | 0% | |
| 2 STRUCTURES & IMPROVEMENTS | 305 | 682,539 | 45 | -10% | |
| 3 BOILER PLANT EQUIPMENT | 306 | 29,028 | 25 | 0% | |
| 4 OTHER POWER EQUIPMENT | 307 | 82,315 | 30 | 5% | |
| 5 LP GAS EQUIPMENT | 311 | 740,302 | 35 | 10% | |
| 6 GENERATING EQUIPMENT - LNG | 313 | 2,101,639 | 33 | -16% | |
| 7 OTHER EQUIPMENT | 320 | 131,149 | 25 | 0% | |
| 8 | | | | | |
| 9 Total Production Plant | | \$3,786,151 | 35 | -9% | |
| 10 | | | | | |
| 11 DISTRIBUTION INVESTMENT | | | | | |
| 12 | | | | | |
| 13 LAND & LAND RIGHTS | 364 | 48,930 | 0 | 0% | |
| 14 RIGHT OF WAY | 365 | 34,244 | 0 | 0% | |
| 15 STRUCTURES AND IMPROVEMEN | 366 | 634,317 | 45 | -10% | |
| 16 GAS MAINS | 367 | 16,620,194 | 60 | -45% | |
| 17 MEAS & REG STA EQUIPMENT | 369 | 1,189,223 | 33 | 5% | |
| 18 | | | | | |
| 19 | | | | | |
| 20 Total Distribution Capacity-Related | | \$18,526,908 | 57 | -40% | |
| 21 | | | | | |
| 22 | | | | | |
| 23 SERVICES | | | | | |
| 24 | | | | | |
| 25 GAS SERVICES | 380 | 20,743,304 | 42 | -120% | |
| 26 | | | | | |
| 27 | | | | | |
| 28 METERS | | | | | |
| 29 | | | | | |
| 30 GAS METERS | 381 | 3,900,766 | 33 | 5% | |
| 31 METER INSTALLATIONS | 382 | 3,590,218 | 40 | -50% | |
| 32 REGULATORS | 383 | 382,639 | 33 | -50% | |
| 33 | | | | | |
| 34 | | | | | |
| 35 Total Meters, Installations, and Regulators | | \$7,873,623 | 36 | -23% | |
| 36 | | | | | |

NOTES:

- 1 Plant balances taken from Annual Report.
- 2 Service lives and salvage values based on current depreciation study.

27

Tax Depreciation Worksheet

| YEA 0 | 200% Decl'g | 200% Decl'g | 200% Decl'g | 150% Decl'g | 150% Decl'g | Workpapers for Declining Balance Depreciation | | | | | |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|-----------|------------|------------|------------|--|
| | TAX DEPREC'N RATE | TAX DEPREC'N RATE | TAX DEPREC'N RATE | TAX DEPREC'N RATE | TAX DEPREC'N RATE | 3 YEAR | 5 YEAR | 10 YEAR | 15 YEAR | 20 YEAR | |
| | YEAR | YEAR | YEAR | YEAR | YEAR | YEAR | YEAR | YEAR | YEAR | YEAR | |
| 1 | 33.33% | 20.00% | 10.00% | 5.00% | 3.75% | 33.33% | 20.00% | 10.00% | 5.00% | 3.75% | |
| 2 | 44.44% | 32.00% | 18.00% | 9.50% | 7.22% | 44.44% | 32.00% | 18.00% | 9.50% | 7.22% | |
| 3 | 14.81% | 19.20% | 14.40% | 8.55% | 6.68% | 14.81% | 19.20% | 14.40% | 8.55% | 6.68% | |
| 4 | 7.41% | 11.52% | 11.52% | 7.70% | 6.18% | 4.94% | 11.52% | 11.52% | 7.70% | 6.18% | |
| 5 | 0.00% | 11.52% | 9.22% | 6.93% | 5.71% | 1.65% | 6.91% | 9.22% | 6.93% | 5.71% | |
| 6 | 0.00% | 5.76% | 7.37% | 6.23% | 5.28% | 0.55% | 4.15% | 7.37% | 6.23% | 5.28% | |
| 7 | 0.00% | 0.00% | 6.55% | 5.90% | 4.89% | 0.18% | 2.49% | 5.90% | 5.61% | 4.89% | |
| 8 | 0.00% | 0.00% | 6.55% | 5.90% | 4.52% | 0.06% | 1.49% | 4.72% | 5.05% | 4.52% | |
| 9 | 0.00% | 0.00% | 6.55% | 5.90% | 4.46% | 0.02% | 0.90% | 3.77% | 4.54% | 4.18% | |
| 10 | 0.00% | 0.00% | 6.55% | 5.90% | 4.46% | 0.01% | 0.54% | 3.02% | 4.09% | 3.87% | |
| 11 | 0.00% | 0.00% | 3.28% | 5.90% | 4.46% | 0.00% | 0.32% | 2.42% | 3.68% | 3.58% | |
| 12 | 0.00% | 0.00% | 0.00% | 5.90% | 4.46% | 0.00% | 0.19% | 1.93% | 3.31% | 3.31% | |
| 13 | 0.00% | 0.00% | 0.00% | 5.90% | 4.46% | 0.00% | 0.12% | 1.55% | 2.98% | 3.06% | |
| 14 | 0.00% | 0.00% | 0.00% | 5.90% | 4.46% | 0.00% | 0.07% | 1.24% | 2.68% | 2.83% | |
| 15 | 0.00% | 0.00% | 0.00% | 5.90% | 4.46% | 0.00% | 0.04% | 0.99% | 2.41% | 2.62% | |
| 16 | 0.00% | 0.00% | 0.00% | 2.95% | 4.46% | 0.00% | 0.03% | 0.79% | 2.17% | 2.42% | |
| 17 | 0.00% | 0.00% | 0.00% | 0.00% | 4.46% | 0.00% | 0.02% | 0.63% | 1.96% | 2.24% | |
| 18 | 0.00% | 0.00% | 0.00% | 0.00% | 4.46% | 0.00% | 0.01% | 0.51% | 1.76% | 2.07% | |
| 19 | 0.00% | 0.00% | 0.00% | 0.00% | 4.46% | 0.00% | 0.01% | 0.41% | 1.58% | 1.92% | |
| 20 | 0.00% | 0.00% | 0.00% | 0.00% | 4.46% | 0.00% | 0.00% | 0.32% | 1.43% | 1.77% | |
| 21 | 0.00% | 0.00% | 0.00% | 0.00% | 2.23% | 0.00% | 0.00% | 0.26% | 1.28% | 1.64% | |
| 22 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.21% | 1.15% | 1.52% | |
| 23 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.17% | 1.04% | 1.40% | |
| 24 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.13% | 0.94% | 1.30% | |
| 25 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.11% | 0.84% | 1.20% | |
| 26 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.09% | 0.76% | 1.11% | |
| 27 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.07% | 0.68% | 1.03% | |
| 28 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.05% | 0.61% | 0.95% | |
| 29 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.04% | 0.55% | 0.88% | |
| 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.03% | 0.50% | 0.81% | |
| 31 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.03% | 0.45% | 0.75% | |
| 32 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.40% | 0.70% | |
| 33 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.36% | 0.64% | |
| 34 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.33% | 0.60% | |
| 35 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.29% | 0.55% | |
| 36 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.26% | 0.51% | |
| 37 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.24% | 0.47% | |
| 38 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.21% | 0.44% | |
| 39 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.19% | 0.40% | |
| 40 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.17% | 0.37% | |
| 41 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.16% | 0.35% | |
| 42 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.14% | 0.32% | |
| 43 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.13% | 0.30% | |
| 44 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.10% | 0.25% | |
| 45 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.09% | 0.23% | |
| 46 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.08% | 0.22% | |
| 47 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.07% | 0.20% | |
| 48 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.07% | 0.18% | |
| 49 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.06% | 0.17% | |
| 50 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.05% | 0.16% | |
| 51 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.05% | 0.15% | |
| 52 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.04% | 0.14% | |
| 53 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.04% | 0.13% | |
| 54 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.04% | 0.12% | |
| 55 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.03% | 0.11% | |
| 56 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.03% | 0.10% | |
| 57 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.03% | 0.09% | |
| 58 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.08% | |
| 59 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.08% | |
| 60 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.07% | |
| 61 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.07% | |
| 62 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.06% | |
| 63 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.06% | |
| 64 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.06% | |
| 65 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.05% | |
| | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 0.999999 | 0.998880 | 0.993447 | |
| TOT | 200.00% | 200.00% | 200.00% | 200.00% | 200.00% | | | | | | |